

USSN - 10/071,214

Amendments to the Claim:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended). A ~~non-human~~ transgenic mouse, having integrated within its genome a nucleotide sequence (SCCE-construct) comprising (1) a heterologous nucleotide sequence (SCCE-construct) coding for a human stratum corneum chymotryptic enzyme (SCCE), operably linked to a SV40 early promoter that drives expression of said heterologous sequence (SCCE-construct) (1) in skin, wherein the mouse exhibits epidermal hyperplasia and hyperkeratosis and a mild cellular inflammatory reaction of the skin.

2 (currently amended). A ~~non-human~~ transgenic mouse according to claim 1 wherein said operably linked SV40 early promoter drives expression of *scce* in epidermis.

3-10 (cancelled).

11 (currently amended). A ~~non-human~~ transgenic mouse according to claim 1, wherein the DNA sequence codes for the human SCCE corresponding to amino acid no. 23 through no. 253 of the amino acid sequence shown in SEQ ID NO. 2.

12 (currently amended). A ~~non-human~~ transgenic mouse according to claim 1, wherein the DNA sequence codes for the human SCCE corresponding to amino acid no. 30 through no. 253 of the amino acid sequence shown in SEQ ID NO. 2.

13 (currently amended). A ~~non-human~~ transgenic mouse according to claim 1, wherein the DNA sequence codes for the human SCCE shown in SEQ ID NO. 2.

14 (cancelled).

15 (currently amended). A ~~non-human~~ transgenic mouse according to claim 1, wherein the heterologous nucleotide sequence is SEQ ID NO:1.